Confined Space Entry Lesson Guide #10



OBJECTIVES: Upon completion topic you will be able to: Describe what a confined space is.

- Identify confined space hazards.
- Describe the Navy's Confined Space Entry Program policy.
- Identity the Confined Space Entry Program elements.
- Identify the requirements for confined space work and special requirements.

By Definition

- confined space
 - not designed for routine entry
 - poor ventilation
 - limited means of egress



What is a confined space?

- storage tanks
- processvessels
- pits
- vats
- boilers

- fuel cells
- •sewers
- tunnels
- manholes

Hazards may include

too little oxygen

too much oxygen

explosive or flammable vapors

toxic materials

Physical Hazards

slippery surfaces

obstructed passages

deteriorated facilities

equipment requiring energy isolation

Engulfment



Poor Illumination

Navy Policy

- all confined spaces are hazardous
- entry prohibited until evaluated
 - Confined Space Program Manager (CSPM)
 - appropriate safety precautions established

Applicability

- all non-maritime Navy installations
- shipyards and intermediate maintenance activities are exempt
- non-maritime work at maritime activities may follow OPNAVINST 5100.23F Chapter 27

Management

- CSPM shall be appointed in writing by the Commanding Officer
- CSPM is responsible for the implementation of the Confined Space Entry (CSE) Program
- smaller activities may utilize CSPM from larger activities

Basic Program Elements

- Identification & Preliminary Evaluation
- Prevention of Unauthorized Entry
- Comprehensive Hazard Evaluation performed by the CSPM
- Issuance of Confined Space Entry Permits
- Training and Qualifications
- Program evaluation

Requirements for Confined Space Entry Work

- PPE
 - CSPM/ACSPM and Safety
 Specialist/Industrial Hygienist
- preparation of spaces
 - protection from external hazards
 - ventilation
 - space cleaning

Special Precaution

hot work

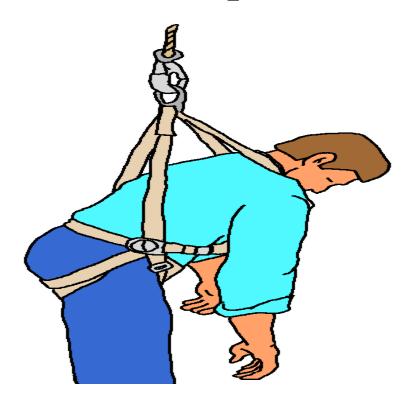
aircraft fuel cell repair

CSPM shall prepare a written emergency plan

written for each confined space

at time of entry

CO approval



Contractor Operations

- no Navy equipment
- issue no certificates to contractors
- combined operations will have separate certificates issued
- contracting officer is responsible for ensuring contract personnel are qualified

Confined Space Entry Permit SHALL CONTAIN:

- Description and location
- Purpose of entry
- Authorized entry personnel
- Pre-entry atmospheric test data
- Follow-up test requirements and data
- Other required safety precautions

Confined Space Entry Permit

SHALL CONTAIN:

- Emergency instructions and required emergency/rescue equipment
- Date of permit and authorized duration
- Expiration data and time of permit
- Signature of CSPM (or ACSPM)
- Signature of entry supervisor

 Commanding Officer - establish, conduct, and evaluate a comprehensive confined space entry program

- Confined Space Program Manager
 - implement the Confined Space Entry Program

 Line Managers - ensure confined spaces are identified and evaluated

• Entry Supervisors - familiar with OPNAVINST 5100.23F Chapter 27 requirements

 Attendants - mandatory for all confined space entries

 Entrants - authorized by the entry supervisor to enter the PRCS



DO NOT ENTER

Review and Summary

